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Bulletin 422 August, 1955

NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION

Department of Agronomy

# Results of Seed Tests for 1955

Made for the
STATE DEPARTMENT OF AGRICULTURE

by BESSIE G. SANBORN

THE UNIVERSITY OF NEW HAMPSHIRE
DURHAM, N. H.

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## RESULTS OF SEED TESTS

### Made July 1, 1954, to June 30, 1955

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This report contains the results of the seed inspection work for the State Department of Agriculture of 575 official samples collected throughout the state during the period from July 1, 1954, to June 30, 1955, by Mr. George H. Laramie, Control Supervisor, and Mr. Harold Ayer, Assistant Control Supervisor. In addition to these official samples, 1052 private samples were analyzed, making a total of 1627 samples inspected.

Wholesalers are listed in alphabetical order except when samples are presumed to have been carried over, in which case they are listed alphabetically by dealers. The New Hampshire seed law requires that both agricultural and vegetable seeds must be labeled with the calendar month and year when last tested for germination, and requires that this germination test shall have been completed within nine months of being offered for sale. In the following tables, if the date of test was within the prescribed nine months, the sample is marked satisfactory, "S" in this respect; if no date was given, the word "None" appears indicating a violation; if the date was a violation of the law because the test was not made within nine months, the date given on the tag or label appears in that column.

The first part of the report deals with 173 samples of agricultural seed tested for purity, germination and noxious weed content. There is a tolerance or allowable variation from the guarantee for both purity and germination, in accordance with the Rules for Seed Testing adopted by the Association of Official Seed Analysts. If a sample when tested for purity falls within the allowable variation, it is marked "S" (satisfactory); if below the allowable variation, and therefore a violation, the actual figure found for purity is given. The same is true for germination in the case of agricultural seeds.

The second part of the report applies to 402 samples of vegetable seeds which were tested for germination only. The New Hampshire seed law requires that unless each packet or other container is plainly marked "Below Standard" together with the percentage of germination, vegetable seeds must test up to the prescribed standard for that kind of seed, and that there is no tolerance from the adopted standards. In the column headed "Found" if the same was up to standard, an "S" (satisfactory) appears. The exception to this is in the case of a given sample being marked with a guarantee, which is not required if vegetable seed is up to standard; then, if the seed is found to be below the regular tolerance from that guaranteed figure, the figure found upon test followed by "†" is listed as "mislabeled" even though it might in some cases be up to standard.

The New Hampshire seed law and the rules and regulations thereunder, including the germination standards for vegetable seed, follow:

## STATE OF NEW HAMPSHIRE

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CHAPTER 224, REVISED LAWS
(As inserted by Chapter 54 Laws of 1943)

AN ACT
To Regulate the Labeling, Sale and Offering or Exposing for Sale, of Agricultural and Vegetable Seeds.

### Agricultural and Vegetable Seeds

1. **Definitions.** Terms used in this chapter shall be construed as follows:

I. The term "agricultural seeds" shall include the seeds of grass, forage, cereal and fiber crops and any other kinds of seeds commonly recognized within this state as agricultural or field seeds, and mixtures of such seeds.

II. The term "vegetable seeds" shall include the seeds of those crops which are grown in gardens or on truck farms and are generally known and sold under the name of vegetable seeds in this state.

III. The term "weed seeds" shall include the seeds of all plants generally recognized as weeds within this state, and shall include noxious weed seeds.

IV. Noxious weed seeds shall be divided into two classes, "primary noxious weed seeds" and "secondary noxious weed seeds" as herein defined; provided, that the commissioner of agriculture may add to or subtract from the list of seeds included under either definition whenever he finds that such additions or subtractions are within the respective definitions.

V. "Primary noxious weed seeds" shall include the seeds of perennial weeds such as those that reproduce and spread by underground roots or stems as well as by seed and which, when established, are highly destructive and difficult to control in this state by ordinary good cultural practice. Primary noxious weed seeds in this state are the seeds of: Canada thistle (Cirsium arvense), field bindweed (Convolvulus arvensis), and quackgrass (Agropyron repens).

VI. "Secondary noxious weed seeds" shall include the seeds of such weeds as are very objectionable in field, lawns, or gardens of this state, but can be controlled by good cultural practices. The secondary noxious weed seeds in this state are the seeds of: dodder (Cuscuta spp.) and crab grass (Digitaria sanguinalis).

VII. The term "labeling" includes all labels, and other written, printed, or graphic representations, in any form whatsoever, accompanying

and pertaining to any seed whether in bulk or in containers, and includes invoices.

VIII. The term "advertisement" means all representations, other than those on the label, disseminated in any manner or by any means, relating to seed within the scope of this chapter.

2. **Label Requirement.** Each separate container of agricultural or vegetable seed, including seeds in small packets, which is sold, offered for sale, or exposed for sale, within this state for sowing purposes shall bear thereon or have attached thereto in a conspicuous place a plainly written or printed label or tag in the English language, giving the information as set forth in sections 3 and 4.

3. **Agricultural Seeds.** For agricultural seeds the following is required:

I. Commonly accepted name of kind, or kind and variety, of each agricultural seed component in excess of five per cent of the whole and the percentage by weight of each. Where more than one component is required to be named, the word "mixture" or "mixed" shall be associated with the name on the label.

II. Lot number or other lot identification.

III. Origin, if known, of alfalfa, red clover and field corn (except hybrid corn). If the origin is unknown, that fact shall be stated.

IV. Percentage by weight of all weed seeds, including those known as noxious weeds.

V. If present, the names of the kinds of secondary noxious-weed seeds and the rate of occurrence of each: (A) Per ounce in Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, Dallis grass, ryegrass, foxtail millet, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixture within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group. All determinations of noxious-weed seeds shall be subject to tolerances and methods of determination prescribed in the rules and regulations under this chapter.

VI. Percentage by weight of agricultural seeds other than those required to be named on the label.

VII. Percentage by weight of inert matter.

VIII. For each named agricultural seed, percentage of germination, exclusive of hard seed, percentage of hard seed, if present, and the calendar month and year the test was completed to determine such percentages.

IX. Name and address of the person who labeled said seed, or who sells, offers, or exposes said seed for sale within this state.

4. **Vegetable Seeds.** For vegetable seeds, the following is required:

I. Name of kind and variety of seeds, and the calendar month and year when last tested for germination.

II. For seeds which germinate less than the standard last established by the commissioner of agriculture hereunder, and in type not smaller than ten point size: percentage of germination exclusive of hard seed; percentage of hard seed, if present; and the words, "below standard."

III. Name and address of the person who labeled said seed, or who sells, offers or exposes said seed for sale within this state.

5. **Illegal Sales.** It shall be unlawful for any person to sell, offer for sale or expose for sale any agricultural or vegetable seed within this state:

I. Unless the test to determine the percentage of germination required by sections 3 and 4 shall have been completed within a nine-month period, exclusive of the calendar month in which the test was completed, immediately prior to sale, exposure for sale, or offering for sale or transportation.

II. Not labeled in accordance with the provisions hereof, or having a false or misleading labeling.

III. Pertaining to which there has been a false or misleading advertisement.

IV. Any agricultural seeds containing any primary noxious weed seeds except as may be allowed under tolerances prescribed in the rules and regulations hereunder.

6. **Prohibitions.** It shall be unlawful for any person within this state:

I. To detach, alter, deface, or destroy any label provided for herein or the rules and regulations made and promulgated hereunder, or to alter or substitute seed, in a manner that may defeat the purposes hereof.

II. To disseminate any false or misleading advertisement concerning agricultural or vegetable seed in any manner or by any means.

III. To hinder or obstruct in any way any authorized person in the performance of his duties hereunder.

IV. To fail to comply with a "stop sale" order.

7. **Exemptions.** The provisions of sections 2 to 6, inclusive, do not apply to seed or grain not intended for sowing purposes, nor to seed in storage in, or consigned to, a seed cleaning or processing establishment for cleaning or processing, provided, that any labeling or other representation which may be made with respect to the unclean seed shall be subject to the provisions hereof.

8. **Exceptions.** No person shall be subject to the penalties hereof for having sold, offered or exposed for sale in this state any agricultural or vegetable seeds, which were incorrectly labeled or represented as to kind, variety, or origin which seeds cannot be identified by examination thereof,

unless he has failed to take all proper precautions to insure the identity to be that stated in accordance with rules and regulations hereunder.

9. **Duties and Authority of Commissioner of Agriculture.** The commissioner of agriculture, who may act through his authorized agents, shall have the power:

I. To sample, inspect, make analyses of, and test, agricultural and vegetable seeds transported, sold, offered or exposed for sale within this state for sowing purposes, at such time and place and to such extent as he may deem necessary to determine whether said agricultural or vegetable seeds are in compliance with the provisions hereof, and to notify promptly the person who transported, sold, offered or exposed the seed for sale, of any violation.

II. To prescribe, and after public hearing to adopt, rules and regulations governing the methods of sampling, inspecting, analysis, tests, and examination of agricultural and vegetable seed, and the tolerances to be followed in the administration hereof, which shall be in general accord with officially prescribed practice in interstate commerce, and such other rules and regulations as may be necessary to secure the efficient enforcement hereof.

III. To enter upon any public or private premises during regular business hours in order to have access to seeds subject to this chapter and the rules and regulations promulgated hereunder.

IV. To issue written or printed "stop sale" orders which shall prohibit further sale of any lot of agricultural or vegetable seed which the commissioner has reason to believe is in violation of any of the provisions hereof until the law has been complied with or said violation otherwise legally disposed of: Provided, that no "stop sale" order shall be issued or attached to any lot of seed without first giving the owner or custodian of such seed an opportunity to comply with the law or to withdraw the seed from sale.

V. To establish and maintain or make provision for seed testing facilities, to employ qualified persons, and to incur such expenses as may be necessary to comply with these provisions.

VI. To make or provide for making purity and germination tests of seeds for farmers and dealers on request; to prescribe rules and regulations governing such testing; and to fix and collect charges for the tests made. All fees collected hereunder shall be paid over by the commissioner to the state treasurer who shall keep the same in a special fund to be used only for the purposes of this chapter.

VII. To co-operate with the United States Department of Agriculture in seed law enforcement.

10. **Seizure.** Upon the recommendation of the commissioner of agriculture or his duly authorized agents, the court of competent jurisdiction in the area in which the seed is located shall cause the seizure and subsequent denaturing, processing, or destruction to prevent the use for sowing purposes of any lot of agricultural or vegetable seed found to be unfit for

sowing purposes: Provided, that in no instances shall the denaturing, processing, or destruction be ordered without first having given the claimant of said seed an opportunity to apply to said court for the release of said seed.

11. **Penalties.** Whoever violates any of the provisions of this chapter or any rule or regulation promulgated hereunder shall be fined not exceeding one hundred dollars for the first offense and not exceeding two hundred and fifty dollars for each subsequent offense. Fines collected hereunder shall be paid, by the court collecting the same, to the commissioner of agriculture and by him forwarded to the state treasurer for the use of the state.

12. **Publication.** The commissioner of agriculture shall publish, or cause to be published, the results of test and analyses of samples of agricultural and vegetable seeds, as herein provided, together with the names and addresses of the persons from whom the samples of seed were obtained. He may publish such other information as he may deem advisable concerning the value, character and use of certain seeds.

13. **Takes Effect.** This act shall take effect upon its passage. Approved March 10, 1943.

**Sampling.**

(a) In order to secure a representative sample, equal portions shall be taken from evenly distributed parts of the quantity of seed to be sampled. Access shall be had to all parts of that quantity.

(b) For free-flowing seed in bags or bulk, a probe or trier shall be used. For small free-flowing seed in bags, a probe or trier long enough to sample all portions of the bag should be used.

(c) Non-free-flowing seed, such as certain grass seed, uncleaned seed, or screenings, difficult to sample with a probe or trier, shall be sampled by thrusting the hand into the bulk and withdrawing representative portions.

(d) The portions shall be combined into a composite sample or samples.

(e) As the seed is sampled, each portion shall be examined, and whenever there appears to be a lack of uniformity, additional samples shall be taken to show such lack of uniformity as may exist.

Bulk seeds shall be sampled by inserting a long probe or thrusting the hand into the bulk as circumstances require in several uniformly distributed parts of the quantity being sampled.

Bags. (1) In quantities of five bags or less, each bag shall be sampled.

(2) In quantities of more than five bags, at least every fifth bag but not less than five bags shall be sampled. Samples shall be drawn from unopened bags except under circumstances where the identity of the seed has been preserved.

In sampling packet seeds, entire unopened packets shall be taken.

Size of sample. The following are minimum weights of samples of seed to be submitted for analysis, test, or examination:

(1) Two ounces of grass seed not otherwise mentioned, white or alsike clover, or seeds not larger than these.

(2) Five ounces of red or crimson clover, alfalfa, ryegrass, bromegrasses, millet, flax, rape, or seeds of similar size.

(3) Two pounds of cereals, vetches, or seeds of similar or larger size.

(4) Two quarts of screenings.

**Analysis.**

The New Hampshire seed laboratory will be guided in making purity and germination tests by the rules and regulations prescribed under the Federal Seed Act.

**Tolerance.**

Owing to the natural variation between tests, the following tolerances shall be allowed between the percentages found by analysis, test or examination and the percentages stated on the tag accompanying the seed:

For purity: Allowing "a" to represent the component being considered and "b" the difference between that percentage and 100, according to the following formula:

$$\text{Pure seed tolerance} = 0.6 + \left( 0.2 \times \frac{a \times b}{100} \right)$$

a sample of timothy guaranteed 99.2% could test as low as 98.25% and be "satisfactory."

For germination: The following tolerances are applicable:

| Mean: | Tolerance |
|---|---|
| 96 or over | 5 |
| 90 or over but less than 96 | 6 |
| 80 or over but less than 90 | 7 |
| 70 or over but less than 80 | 8 |
| 60 or over but less than 70 | 9 |
| Less than 60 | 10 |

Therefore, a sample of seed guaranteed 85% for germination may be as low as 77% and be "satisfactory."

For weed seeds: The law requires in the labeling of agricultural seed (1) that the percentage of all weed seeds present shall be shown on the tag, (2) that no primary noxious weed seeds shall be present in the sample, and (3) that, if present, the names of the kinds of secondary noxious weed seed and the rate of occurrence of each shall be stated: (A) Per ounce in Agrostis spp., Poa spp., Rhodes grass, Bermuda grass, timothy, orchard grass, fescues, alsike and white clover, reed canary grass, Dallis grass, ryegrass, foxtail millet, crimson clover, Brassica spp., flax, Agropyron spp., and other agricultural seeds of similar size and weight, or mixtures within this group, and

(B) Per pound in proso, Sudan grass, wheat, oats, rye, barley, buckwheat, sorghums, vetches, and other agricultural seeds of a size and weight similar to or greater than those within this group, or any mixtures within this group.

Certain tolerances are allowed, however, to provide for variation and unavoidable errors, but only within very narrow limits and for which there is always a standard formula for computation. Examples: (1) Timothy guaranteed only 2 per cent weed seeds will not be condemned if it has a 2.59 per cent. (2) No primary noxious weed seeds are allowed, but the presence of two such seeds in 50 grams of timothy would not be considered a violation. (3) Similarly, some slight variation from the minimum requirement for labeling secondary noxious weed seeds will be passed as satisfactory.

**Free Testing**

The Seed Testing Laboratory will allow two free tests, in a given year, to any resident company or person of New Hampshire, but such seeds must be received in the laboratory during the months of October, November, December and January. This number of samples, not including mixtures, may be analyzed either for purity or for germination, or one sample for both purity and germination, free of charge. A given seed company will

be entitled to two private tests without charge, but not two from each branch store. For numbers in excess of two, a charge will be made for labor and consumable supplies only, the amount depending on the type of sample according to the following schedule:

Germination tests of all vegetable seeds, 30 cents;

Germination tests of all agricultural crop seeds and grasses, 50 cents;

Germination tests of mixtures, 50 cents for each kind of seed present;

Purity analyses of cereals, timothy and larger crop seeds and legumes, $1.00;

Purity analyses of small grasses, $2.00; unhulled redtop, $2.50;

Purity analyses of mixtures, including those for lawn and pasture seeding, a charge sufficient to cover the actual cost of working the sample submitted for test, minimum charge of $2.50.

Such private samples of seed to be tested should be drawn in such a way as to be representative of the bulk lot from which they are taken, and should be addressed to the State Seed Testing Laboratory, Durham, New Hampshire. Such private tests cannot be declared as state official tests unless drawn by a representative of the department of agriculture, as provided in Chapter 224 of the Public Laws. Fees must be paid before reports will be sent out.

The minimum weights of samples to be submitted for analyses are:

1. Two ounces of grass seed, white or alsike clover, or seeds not larger than these.

2. Five ounces of red or crimson clover, alfalfa, rye grasses, millet, rape, or seeds of similar size.

3. One pound of cereal, vetches or seeds of similar or larger size.

The minimum number of seeds of any one kind to be submitted for a germination test is 400.

**Germination Standards for Vegetable Seed.**

Following are the germination standards established by the commissioner of agriculture pertaining to Section four of the act entitled Vegetable Seeds.

| | | | |
|---|---|---|---|
| Artichoke | 60 | Brussels sprouts | 70 |
| Asparagus, including hard seeds | 70 | Cabbage | 75 |
| Beans, garden (varieties other than Rival, Topcrop and Logan) | 75 | Chinese cabbage | 75 |
| Beans, garden (varieties Rival, Topcrop and Logan) | 70 | Carrot | 55 |
| Beans, horse or broad | 75 | Cauliflower | 75 |
| Beans, lima | 70 | Celery and celeriac | 55 |
| Beans, runner | 75 | Chicory | 65 |
| Beets | 65 | Citron | 65 |
| Broccoli | 75 | Collards | 80 |
| | | Corn | 75 |
| | | Cress, garden | 60 |
| | | Cress, water | 40 |
| | | Cucumber | 80 |

| | | | |
|---|---|---|---|
| Dandelion | 45 | Pumpkin | 75 |
| Eggplant | 60 | Radish | 75 |
| Endive | 70 | Rhubarb | 60 |
| Fetticus (cornsalad) | 70 | Rutabaga | 75 |
| Kale | 75 | Salsify | 75 |
| Kohlrabi | 75 | Sorrel | 60 |
| Leek | 60 | Soybean | 75 |
| Lettuce | 80 | Spinach (except New Zealand) | 60 |
| Muskmelon | 75 | Spinach (New Zealand) | 40 |
| Mustard | 75 | Squash | 75 |
| Okra | 50 | Swiss Chard | 65 |
| Onion | 70 | Tomato | 75 |
| Parsley | 60 | Tomato, husk | 50 |
| Parsnip | 60 | Turnip | 80 |
| Peas | 80 | Watermelon | 70 |
| Pepper | 55 | | |

**Labeling.**

The following labels are suggested as meeting the minimum requirements of the New Hampshire seed law.

Example for unmixed agricultural seed:

John F. Doe Company
Greene, N. H.

**Alsike Clover**

| | |
|---|---|
| Pure seed | 98.65 |
| Crop seed | .86 |
| Weeds | .38 |
| Inert matter | .11 |
| Origin Idaho | |
| 1 dodder per oz. | |

**Lot No. 243**

| | |
|---|---|
| Germination | 80% |
| Hard seeds | 7 |
| Date of test Jan. (current year)* | |

Example for mixed agricultural seed:

John F. Doe Company
Greene, N. H.

**Grass seed, mixed**

| Purity: | |
|---|---|
| Perennial rye grass | 32.23% |
| Chewings fescue | 18.08 |
| Kentucky bluegrass | 14.75 |
| Canada bluegrass | 15.37 |
| Creeping bent | 14.20 |
| Crop seed | .61 |
| Weed seed | 2.07 |
| Inert matter | 2.69 |

5 Crabgrass per oz.

**Lot No. 0236**

| Germination: | |
|---|---|
| 92.5% | Jan. (current year)* |
| 85.0% | Jan. (current year)* |
| 80.0% | Jan. (current year)* |
| 58.5% | Jan. (current year)* |
| 84.0% | Jan. (current year)* |

Example for vegetable seed:

| | |
|---|---|
| (Up to standard) | New York Lettuce<br>John Smith, Dale, Ill.<br>Date of germination test: Feb. 7 (cur. yr.)* |
| (For vegetable seed which germinates less than standard) | New York Lettuce<br>John Smith, Dale, Ill.<br>Date of germination test: Feb. 7 (cur. yr.)*<br>Germination 75%<br>BELOW STANDARD |

The law states that "each separate container of agricultural or vegetable seed, including seeds in small packets, shall be labeled"; but if a dealer has bulk lots of seeds exposed for sale and these bulk lots are properly labeled, he shall not be required to copy the information from the label on to each individual bag in which he delivers small lots of this bulk seed over the counter to customers.

* "Current year in this sample labeling means the month and year of the last germination test which must be stated and be within nine (9) months of the date the seeds are offered or exposed for sale. See par. 5 Section 1 of the law itself."

# AGRICULTURAL SEED INSPECTION, 1955

| Name and Address of Wholesaler<br>Name and Address of Dealer or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed (Note) | Other Crop Seed (Note) | Weed Seed (Note) | Inert Matter (Note) | Germination (Note) | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| **ALLEN, STERLING & LOTHROP, Portland, Me.** | | | | | | | | | |
| **Emerson 5 and 10, Groveton** | | | | | | | | | |
| Timothy, 5820 | 5579 | S | L | 99.60 | .20 | .05 | .15 | 87 | |
| | | | F | S | S | S | S | 74.5 | Germination below guarantee. |
| White Dutch clover, Lot No. W-306 | 5578 | S | L | 91.00 | .40 | .25 | .35 | 90 | Should be labeled "Mixture." |
| | | | F | S | S | S | S | S | Germination should be given for Alsike clover. |
| Alsike clover | | | L | 8.00 | | | | | |
| | | | F | 8.08 | | | | 84 | |
| **ARTHUR R. CONE, INC., Buffalo, N. Y.** | | | | | | | | | |
| **Beacon Grain Store, Dover** | | | | | | | | | |
| Hungarian millet, 90378 | 5608 | S | L | 98.00 | .05 | .45 | 1.50 | 80 | Purity below guarantee; other crop and weed seeds excessive. |
| | | | F | 93.80 | 2.56 | 3.21 | S | S | |
| Ladino clover, 35163 | 5602 | S | L | 99.91 | | | .09 | 70 | |
| | | | F | S | S | S | S | S | |
| Sudan grass, 92 x 99 | 5607 | S | L | 98.21 | .20 | .01 | 1.58 | 80 | |
| | | | F | S | S | S | S | S | |
| **Farmers Feed & Supply Co., Colebrook** | | | | | | | | | |
| Rye, Balbo, 56 x 306 | 5573 | S | L | 98.00 | .25 | .10 | 1.05 | 85 | |
| | | | F | S | S | S | S | 64.5 | Germination below guarantee. |
| **Grenier Air Force Base, Manchester** | | | | | | | | | |
| General Mills Mixture, 38 x 157 | 5546 | S | L | | 1.86 | .23 | .51 | | |
| | | | F | | S | S | 4.16 | | Inert matter excessive. |
| Alta fescue | | | L | 59.60 | | | | 90 | |
| | | | | S | | | | S | |
| Redtop | | | L | 15.64 | | | | 85 | |
| | | | F | S | | | | S | |
| Perennial ryegrass | | | L | 17.19 | | | | 90 | |
| | | | F | S | | | | S | |
| Red clover, medium | | | L | 4.97 | | | | 75 | |
| | | | F | S | | | | S | |
| **F. B. Spaulding & Co., Lancaster** | | | | | | | | | |
| Alsike clover, 25-628 | 5541 | S | L | 98.92 | .93 | .15 | | 70 | |
| | | | F | S | S | S | S | S | |
| Barley, Six row, 52 x 323 | 5539 | S | L | 98.56 | 1.28 | .01 | .15 | 90 | |
| | | | F | S | S | S | S | S | |
| Corn, Wisconsin Hybrid, 275-A | 5538 | S | L | 99.96 | | | .04 | 97 | |
| | | | F | S | S | S | S | S | |

* As stated on accompanying tag. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation. Note: L=Label; F=Found. "S" in the Found line indicates that the sample was satisfactory in relation to the guarantee. Figures indicate violation.

| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| **ARTHUR R. CONE, INC., Buffalo, N. Y. (continued)** | | | | | | | | | |
| **F. B. Spaulding & Co., Lancaster** | | | | | | | | | |
| Hungarian millet, 90 x 393 | 5543 | S | L | 99.26 | .08 | .50 | .16 | 80 | |
| | | | F | S | S | S | S | 46 | Germination below guarantee. |
| Oats, Victory, 50 x 666 | 5540 | S | L | 99.61 | .35 | .01 | .03 | 90 | |
| | | | F | S | 1.10 | S | S | S | Other crop seed excessive. |
| Oats, Certified Clinton 59, 50 T 687 | 5544 | S | L | 99.80 | | | .20 | 90 | |
| | | | F | S | S | S | S | S | |
| Soybeans, Lincoln, 62 x 173 | 5542 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Timothy, 10-279 | 5537 | S | L | 99.50 | .20 | .25 | .05 | 92.5 | |
| | | | F | S | S | S | S | S | |
| Wheat, Mida Spring, 54 x 500 | 5545 | S | L | 99.50 | .10 | | .40 | 90 | |
| | | | F | S | S | S | S | S | |
| **Sunshine Feed Store, Manchester** | | | | | | | | | |
| Alsike clover, 25627 | 5412 | S | L | 98.13 | 1.77 | .05 | .05 | 76 | |
| | | | F | S | S | S | S | S | |
| Bentgrass, Colonial, 40-69 | 5617 | S | L | 98.20 | | .40 | 1.40 | 85 | |
| | | | F | S | S | S | S | S | |
| Bluegrass, Kentucky, 34-236 | 5615 | S | L | 85.00 | .41 | .20 | 14.39 | 75 | |
| | | | F | S | S | S | S | S | |
| Buckwheat, mixed 58 x 216 | 5618 | S | L | 99.60 | .20 | | .20 | 90 | |
| | | | F | S | S | S | S | S | |
| Corn, West Branch Sweepstakes, 80 x 608 | 5414 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Red clover, Medium, 15-48 | 5411 | S | L | 99.34 | .34 | .16 | .16 | 84 | |
| | | | F | S | S | S | S | S | |
| Redtop, 30274 | 5619 | S | L | 92.00 | 1.10 | 1.50 | 5.40 | 85 | |
| | | | F | S | S | S | S | S | |
| Timothy, 10-222 | 5410 | S | L | 99.80 | .05 | | .10 | 85 | |
| | | | F | S | S | S | S | S | |
| Timothy, 10-222 | 5616 | S | L | 99.80 | .05 | .05 | .10 | 85 | |
| | | | F | S | S | S | S | S | |
| **Sunshine Feed Store, West Lebanon** | | | | | | | | | |
| Alfalfa, Cert. Vernal, 28606 | 5379 | S | L | 99.70 | .07 | .23 | | 78 | |
| | | | F | S | S | S | S | S | |
| Alfalfa, Narragansett, 28-705 | 5380 | S | L | 99.92 | | .02 | .06 | 74 | |
| | | | F | S | S | S | S | S | |
| Alfalfa, Cert. Ranger, 28-696 | 5383 | S | L | 99.96 | | | .04 | 86 | |
| | | | F | S | S | S | S | S | |
| Alsike clover, 25-628 | 5385 | S | L | 98.92 | .93 | .15 | | 70 | |
| | | | F | S | S | S | S | S | |
| Hungarian millet, 90 x 378 | 5401 | S | L | 98.00 | .05 | .45 | 1.50 | 88 | Purity below guarantee; weed seeds excessive. |
| | | | F | 94.32 | S | 5.13 | S | S | |
| Ladino clover, Cert., 35-147 | 5381 | S | L | 99.80 | | .05 | .15 | 84 | |
| | | | F | S | S | S | S | S | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Red clover, Medium, 15 x 72 | 5384 | S | L | 99.46 | .32 | .06 | .16 | 84 |
| | | | F | S | S | S | S | S |
| Sweet clover, White Blossom, 29-233 | 5378 | S | L | 99.10 | .45 | .15 | .30 | 76 |
| | | | F | S | S | S | S | S |
| Timothy, 10-279 | 5382 | S | L | 99.50 | .20 | .25 | .05 | 92.5 |
| | | | F | S | S | S | S | S |
| White Dutch clover, 32-163 | 5377 | S | L | 98.10 | 1.70 | .06 | .14 | 73 |
| | | | F | S | S | S | S | S |
| **ALBERT DICKINSON CO., Chicago, Ill.** | | | | | | | | |
| Merrimack Farmers' Exch., Inc., Bow | | | | | | | | |
| Ryegrass, Common, 038525 | 5407 | S | L | 99.42 | | .14 | .42 | 95 |
| | | | F | S | S | S | S | S |
| Merrimack Farmers' Exch., Inc., Milford | | | | | | | | |
| Alfalfa, Ranger, 028799, No. 3 | 5264 | S | L | 99.78 | .02 | .02 | .18 | 89 |
| | | | F | S | S | S | S | S |
| Brome grass, Lincoln, 097385 | 5266 | S | L | 84.64 | 1.84 | .46 | 13.06 | 83 |
| | | | F | S | S | S | S | S |
| Field peas, Canada, 085681 | 5268 | S | L | 99.31 | .02 | | .66 | 86 |
| | | | F | S | S | S | S | S |
| Merrimack Farmers' Exch., Inc., Plymouth | | | | | | | | |
| Red fescue, Creeping, 034264, No. 1 | 5658 | S | L | 95.20 | .55 | .65 | 3.60 | 92 |
| | | | F | S | S | S | S | S |
| Ryegrass, common, 038542 | 5662 | S | L | 99.26 | .02 | .64 | .08 | 94 |
| | | | F | S | S | S | S | S |
| Merrimack Farmers' Exch., Inc., Rochester | | | | | | | | |
| Bluegrass, Kentucky, 32944 | 5674 | S | L | 86.40 | .10 | .10 | 13.40 | 75 |
| | | | F | S | S | S | S | S |
| Field peas, Canada, 085681 | 5672 | S | L | 99.31 | .02 | .01 | .66 | 86 |
| | | | F | S | S | S | S | S |
| Ladino clover, 26941 | 5675 | S | L | 99.10 | .05 | .10 | .75 | 90 |
| | | | F | S | S | S | S | S |
| Merrimack Farmers' Exch., Inc., Warner | | | | | | | | |
| Timothy, 66627 | 5200 | S | L | 99.70 | .05 | .05 | .20 | 90 |
| | | | F | S | S | S | S | S |
| Merrimack Farmers' Exch., Inc., Woodsville | | | | | | | | |
| Alfalfa, Ranger, 0287-99, No. 3 | 5466 | S | L | 99.78 | .02 | .02 | .18 | 89 |
| | | | F | S | S | S | S | S |
| **EASTERN STATES FARMERS' EXCH., W. Springfield, Mass.** | | | | | | | | |
| Eastern States Farmers' Exch., Claremont | | | | | | | | |
| Corn, Penna. 444 Hybrid, 1027 | 5621 | S | L | 99.50 | | | .50 | 92 |
| | | | F | S | S | S | S | S |
| Corn, Cornell 29-3, 1467 | 5622 | S | L | 99.50 | | | .50 | 90 |
| | | | F | S | S | S | S | S |

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| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| EASTERN STATES FARMERS' EXCH., W. Springfield, Mass. (continued) | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| Eastern States Farmers' Exch., Claremont (continued) | | | | | | | | | |
| Corn, Mass. 63 Hybrid, 1036 | 5623 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Corn, Penna. 602A, 1008 | 5624 | S | L | 99.50 | | | .50 | 92 | |
| | | | F | S | S | S | S | S | |
| Reed canary grass, 1026 | 5620 | S | L | 99.15 | .07 | .08 | .70 | 75 | |
| | | | F | S | S | S | S | S | |
| Eastern States Farmers' Exch., Dover | | | | | | | | | |
| Alfalfa, Narragansett, 488 | 5396 | S | L | 99.65 | .02 | .07 | .26 | 80 | |
| | | | F | S | S | S | S | S | |
| Birdsfoot trefoil, 1009 | 5399 | S | L | 97.50 | 2.21 | .12 | .17 | 50 | |
| | | | F | S | S | S | S | S | |
| Crimson clover, 1485 | 5400 | S | L | 99.30 | .10 | .15 | .45 | 80 | |
| | | | F | S | S | S | S | S | |
| Hay & Pasture Mixture No. 1, 1003 | 5393 | S | L | 99.36 | .21 | .17 | .26 | | |
| | | | F | | S | S | S | | |
| Red clover, Medium | | | L | 40.00 | | | | 85 | |
| | | | F | S | | | | S | |
| Alsike clover | | | L | 20.00 | | | | 81 | |
| | | | F | S | | | | S | |
| Timothy | | | L | 40.00 | | | | 89 | |
| | | | | S | | | | S | |
| Japanese millet, 494 | 5395 | S | L | 99.50 | .05 | .05 | .40 | 85 | |
| | | | F | S | S | S | S | S | |
| Ladino clover, 1482 | 5398 | S | L | 99.25 | .05 | .15 | .55 | 63 | |
| | | | F | S | S | S | S | S | |
| Red clover, Kenland, 431 | 5397 | S | L | 99.55 | .16 | .05 | .24 | 60 | |
| | | | F | S | S | S | S | S | |
| Sudan grass, Piper, 1487 | 5394 | S | L | 99.60 | .10 | .05 | .25 | 90 | |
| | | | F | S | S | S | S | S | |
| Eastern States Farmers' Exch., Manchester | | | | | | | | | |
| Barley, Eric Spring, 262 | 5463 | S | L | 99.50 | .05 | .05 | .40 | 93 | |
| | | | F | S | S | S | S | S | |
| Buckwheat, Selected, 457 | 5464 | S | L | 99.50 | .05 | .05 | .40 | 85 | |
| | | | F | S | S | S | S | S | |
| Oats, Ajax, 395-D | 5465 | S | L | 99.50 | .05 | .05 | .40 | 90 | |
| | | | F | S | S | S | S | S | |
| Rye, Forage Winter, 1456 | 5462 | S | L | 99.00 | .60 | .10 | .30 | 85 | Purity below guarantee; other crop seeds excessive. |
| | | | F | 96.64 | 3.17 | S | S | S | |
| Eastern States Farmers' Exch., Woodsville | | | | | | | | | |
| Corn, Maine B Hybrid, 1017 | 5434 | S | L | 99.50 | | | .50 | 92 | |
| | | | F | S | S | S | S | S | |
| Corn, Ohio M-15, 1475 | 5436 | S | L | 99.50 | | | .50 | 92 | |
| | | | F | S | S | S | S | S | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Corn, Mass. 63 Hybrid, 1464 | 5437 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Field peas, Chaing, 173 (small bag) | 5435 | S | L | 99.50 | | | .50 | 86 | |
| | | | F | S | S | S | S | S | |
| Field peas, Chaing, 173 (large bag) | 5438 | S | L | 99.50 | | | .50 | 86 | |
| | | | F | S | S | S | S | S | |
| Hay-Pasture Mixture No. 2, 1643: | 5432 | S | L | 99.06 | .24 | .17 | .53 | 83 | |
| | | | F | | S | S | S | | |
| Red clover, Medium | | | L | 30.00 | | | | 81 | |
| | | | F | S | | | | S | |
| Alsike clover | | | L | 25.00 | | | | 77 | |
| | | | F | S | | | | S | |
| Timothy | | | L | 40.00 | | | | 90 | |
| | | | F | S | | | | S | |
| Redtop, Fancy Solid | | | L | 5.00 | | | | 90 | |
| | | | F | S | | | | S | |
| Japanese millet, 475 | 5431 | S | L | 99.50 | .05 | .05 | .40 | 90 | |
| | | | F | S | S | S | S | S | |
| Ryegrass, Domestic, 411 | 5433 | S | L | 99.50 | .12 | .05 | .33 | 90 | |
| | | | F | S | S | S | S | S | |
| **Glencliff Sanitorium, Benton** | | | | | | | | | |
| Oats, Clinton 59, 592-E | 5249 | S | L | 99.50 | .05 | .05 | .40 | 90 | |
| | | | F | S | S | S | S | S | |
| Brome grass, smooth, Lincoln type, 1461 | 5236 | S | L | 91.00 | .15 | .75 | 8.10 | 80 | |
| | | | F | S | S | S | S | S | |
| **FARMERS FEED & SUPPLY CO., c/o PARK & POLLARD CO., Buffalo, N. Y.** | | | | | | | | | |
| **Farmers Feed & Supply Co., Colebrook** | | | | | | | | | |
| Corn, Wisconsin 240 Hybrid, 520 | 5572 | S | L | 99.50 | | | .50 | 88 | |
| | | | F | S | S | S | S | S | |
| **CHAS. C. HART SEED CO., Wethersfield, Conn.** | | | | | | | | | |
| **Ed's Gulf Service, Henniker** | | | | | | | | | |
| Lawn Seed, Granvue Park, P 480: | 5242 | S | L | | | .34 | .68 | | |
| | | | F | | S | S | S | | |
| Ryegrass, common | | | L | 44.55 | | | | 90 | |
| | | | F | S | | | | S | |
| Creeping red fescue | | | L | 19.93 | | | | 90 | |
| Chewings fescue | | | L | 14.93 | | | | 90 | |
| Fescue, Chewings and Creeping red | | | F | 36.23† | | | | 91† | †Satisfactory. |
| Alta tall fescue | | | L | 18.81 | | | | 90 | |
| | | | F | S | | | | S | |
| White clover | | | L | .76 | | | | 90 | |
| | | | F | S | | | | S | |



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| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| **MAINE POTATO GROWERS, Presque Isle, Me.** | | | | | | | | | |
| Merrimack Farmers' Exch., Inc., Bow | | | | | | | | | |
| Oats, Clinton 59, 14 x 149 | 5235 | S | L | 99.50 | .02 | .03 | .45 | 90 | |
| | | | F | S | S | S | S | S | |
| **MERRIMACK FARMERS' EXCH., INC. Concord** | | | | | | | | | |
| Merrimack Farmers' Exch., Inc., Bow | | | | | | | | | |
| Wheat, Mida Spring, 5048 | 5404 | S | L | 99.91 | | | .09 | 92 | |
| | | | F | S | S | S | S | S | |
| Merrimack Farmers' Exch., Inc., Bradford | | | | | | | | | |
| Lawn Seed, Merrimack Evergreen, No. 108: | 5221 | S | L | | 1.13 | .25 | 4.62 | | |
| | | | F | | S | S | S | | |
| Kentucky bluegrass | | | L | 8.60 | | | | 73 | |
| | | | F | S | | | | S | |
| Rough bluegrass | | | L | 9.10 | | | | 76 | |
| | | | F | S | | | | S | |
| Creeping red fescue | | | L | 35.00 | | | | 85 | |
| | | | F | S | | | | S | |
| Common ryegrass | | | L | 24.80 | | | | 90 | |
| | | | F | S | | | | S | |
| Redtop | | | L | 9.35 | | | | 80 | |
| | | | F | S | | | | S | |
| White Dutch clover | | | L | 7.15 | | | | 88 | |
| | | | F | S | | | | S | |
| Merrimack Farmers' Exch., Inc., Claremont | | | | | | | | | |
| Mangels, Long Red, 61-3-C | 5363 | S | L | | | | | | |
| | | | F | | | | | 83 | |
| Merrimack Farmers' Exch., Inc., Concord | | | | | | | | | |
| Rye, Rosen, 54-100 | 5098 | S | L | 94.00 | 4.00 | .50 | 1.50 | 82 | |
| | | | F | S | S | S | S | 2 | Germination below guarantee. |
| Merrimack Farmers' Exch., Inc., Goffstown | | | | | | | | | |
| Alfalfa, Grimm, 27148 | 5613 | S | L | 99.68 | .10 | .10 | .12 | 81 | |
| | | | F | S | S | S | S | 76 | |
| Alsike clover, NB 575 | 5614 | S | L | 99.30 | .30 | .25 | .15 | 90 | |
| | | | F | S | S | S | S | S | |
| Buckwheat, Japanese, 5203 | 5612 | S | L | 99.50 | .10 | .05 | .35 | 92 | |
| | | | F | S | S | S | S | S | |
| Timothy, 66604 | 5611 | S | L | 99.65 | .10 | .05 | .20 | 85 | |
| | | | F | S | S | S | S | S | |

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|---|---|---|---|---|---|---|---|---|
| **Merrimack Farmers' Exch., Inc., Milford** | | | | | | | | |
| Corn, West Branch Sweepstakes, 5561 | 5265 | S | L | 99.00 | | | 1.00 | 84 |
| | | | F | S | S | S | S | S |
| Ryegrass, Common, 038520 | 5269 | S | L | 99.43 | .02 | .16 | .39 | 93 |
| | | | F | S | S | S | S | S |
| Vetch, Hairy, 9919 | 5267 | S | L | 99.21 | .30 | .01 | .48 | 65 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Peterboro** | | | | | | | | |
| Alsike clover, N.B. 575 | 5261 | S | L | 99.30 | .30 | .25 | .15 | 90 |
| | | | F | S | S | S | S | S |
| Corn, Wisconsin 240, 3810 | 5262 | S | L | 99.50 | | | .50 | 88 |
| | | | F | S | S | S | S | S |
| Corn, Cornell 29-3, 35-33 | 5263 | S | L | 99.96 | | | .04 | 92 |
| | | | F | S | S | S | S | S |
| Red clover, Medium, 24255 | 5260 | S | L | 99.28 | .30 | .14 | .28 | 88 |
| | | | F | S | S | S | S | S |
| Timothy, 3485 | 5258 | S | L | 99.60 | .12 | .12 | .16 | 90 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Plymouth** | | | | | | | | |
| Rape, 95111 | 5664 | S | L | 98.97 | | .22 | .81 | 77 |
| | | | F | S | S | S | S | S |
| White clover, 26929 | 5663 | S | L | 95.70 | 3.90 | .20 | .20 | 70 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Rochester** | | | | | | | | |
| Barley, Moore 6-row, 5216 | 5406 | S | L | 98.91 | .91 | .02 | .16 | 91 |
| | | | F | S | S | S | S | S |
| Ryegrass, Perennial, 038524 | 5673 | S | L | 97.16 | 2.50 | .08 | .26 | 92 |
| | | | F | S | S | S | S | S |
| Soybeans, Cayuga, 84-32 | 5653 | S | L | 99.00 | | | 1.00 | 81 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Warner** | | | | | | | | |
| Hayland Mixture, Lot 506: | 5199 | S | L | | .35 | .10 | .25 | |
| | | | F | | S | S | S | |
| Alsike clover | | | L | 12.30 | | | | 90 |
| | | | F | S | | | | S |
| Red clover | | | L | 37.20 | | | | 90 |
| | | | F | S | | | | S |
| Timothy | | | L | 49.80 | | | | 90 |
| | | | F | S | | | | S |
| Ladino clover, R 4084 A | 5202 | S | L | 99.50 | | .34 | .16 | 85 |
| | | | F | S | S | S | S | S |
| Orchard grass, 37590 | 5203 | S | L | 89.70 | .55 | .85 | 8.90 | 80 |
| | | | F | S | S | S | S | S |
| Rape, 95-11 | 5201 | S | L | 98.97 | | .22 | .81 | 77 |
| | | | F | S | S | S | S | S |



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| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| **MERRIMACK FARMERS' EXCH., Inc., Concord (continued)** | | | | | | | | | |
| Merrimack Farmers' Exch., Inc., Woodsville | | | | | | | | | |
| Birdsfoot trefoil, 1554-252 | 5468 | S | L | 98.50 | 1.48 | .01 | .01 | 64 | |
| | | | F | S | S | S | S | S | |
| Corn, Kingscrost D 4, 1323 | 5488 | S | L | 99.75 | | | .25 | 90 | |
| | | | F | S | S | S | S | S | |
| Oats, Ajax, A-1-55 | 5469 | S | L | 96.45 | .32 | .28 | 2.95 | 80 | |
| | | | F | S | S | S | S | S | |
| **MONTGOMERY WARD, Chicago, Ill.** | | | | | | | | | |
| Montgomery Ward, Claremont | | | | | | | | | |
| White Dutch clover, 1-931708 | 5335 | S | L | 97.16 | 1.95 | .49 | .40 | 70 | |
| | | | F | S | S | S | S | S | |
| **MOULTON, GOODWIN & HALL, Portsmouth*** ** | | | | | | | | | |
| Moulton, Goodwin & Hall, Portsmouth | | | | | | | | | |
| Mangel Beet, Mammoth | 5160 | S | L | | | | | 76 | |
| | | | F | | | | | S | |
| **O. & M. SEED CO., Green Springs, Ohio** | | | | | | | | | |
| Farmers Feed & Supply Co., Colebrook | | | | | | | | | |
| Oats, Clinton 11, A-3498 | 5571 | S | L | 99.20 | .35 | .05 | .40 | 93 | |
| | | | F | S | S | S | S | S | |
| **O. M. SCOTT & SONS CO., Marysville, Ohio** | | | | | | | | | |
| J. J. Moreau Dept. Store, Manchester | | | | | | | | | |
| White clover, Clovex, 492012 | 5279 | S | L | 51.23 | | .06 | 48.71 | 70 | |
| | | | F | S | .50 | S | S | S | Other crop seeds excessive. |
| White clover, 48007 | 5280 | S | L | 98.00 | | .09 | 1.91 | 70 | |
| | | | F | S | S | S | S | S | |
| **SEARS ROEBUCK & CO., Chicago, Ill.** | | | | | | | | | |
| Sears Roebuck & Co., Nashua | | | | | | | | | |
| Green Karpet Grass Seed, 5042: | 5244 | S | L | | .01 | .20 | .72 | | |
| | | | F | | S | S | S | | |
| Domestic ryegrass | | | L | 47.83 | | | | 90 | |
| Perennial ryegrass | | | L | 20.95 | | | | 90 | |
| Ryegrass | | | F | 67.37† | | | | 91.5 | †Satisfactory. |
| Alta fescue | | | L | 14.97 | | | | 90 | |
| | | | F | S | | | | S | |
| Highland bent grass | | | L | 7.97 | | | | 85 | |
| | | | F | S | | | | S | |
| Trivialis bluegrass | | | L | 7.35 | | | | 80 | |
| | | | F | S | | | | S | |
| White clover, Cross Country, 5008, AMS-26 | 5243 | S | L | 95.45 | 4.30 | .08 | .17 | 80 | |
| | | | F | S | S | S | S | S | |

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|---|---|---|---|---|---|---|---|---|
| **STANFORD SEED CO., Buffalo, N. Y.** | | | | | | | | |
| **E. W. Bailey & Co., Colebrook** | | | | | | | | |
| Alsike clover, 3789 | 5586 | S | L | 98.75 | .70 | .25 | .30 | 80 |
| | | | F | S | S | S | S | S |
| Corn, Cornell 29-3, A 43 LF | 5591 | S | L | 99.90 | | | .10 | 98 |
| | | | F | S | S | S | S | S |
| Hungarian millet, 5599 | 5589 | S | L | 99.45 | | .33 | .22 | 80 |
| | | | F | S | S | S | S | S |
| Japanese millet, 1063 | 5585 | S | L | 97.25 | | 2.58 | .17 | 75 |
| | | | F | S | S | S | S | S |
| Red clover, Medium, 5557 | 5588 | S | L | 99.50 | .13 | .10 | .27 | 80 |
| | | | F | S | S | S | S | S |
| Sudan grass, Common, 3240 | 5590 | S | L | 98.00 | .40 | .10 | 1.50 | 85 |
| | | | F | S | S | S | S | S |
| Timothy, 5519 | 5587 | S | L | 99.70 | .10 | .05 | .15 | 90 |
| | | | F | S | S | S | S | S |
| **Dover Grain Co., Dover** | | | | | | | | |
| Timothy, 3378 | 5671 | S | L | 99.62 | .10 | .11 | .17 | 90 |
| | | | F | S | S | S | S | S |
| **Greenville Grain Co., Greenville** | | | | | | | | |
| Alfalfa, Grimm, 5457 | 5246 | S | L | 99.55 | | .11 | .34 | 80 |
| | | | F | S | S | S | S | S |
| Hungarian millet, 5597 | 5248 | S | L | 99.45 | | .33 | .22 | 80 |
| | | | F | S | S | S | S | S |
| Japanese millet, 1062 | 5247 | S | L | 97.74 | | 1.72 | .54 | 80 |
| | | | F | S | S | S | S | S |
| Timothy, 3378 | 5245 | S | L | 99.62 | .10 | .11 | .17 | 90 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Bow** | | | | | | | | |
| Hungarian millet, 1051 | 5409 | S | L | 99.34 | | .24 | .42 | 80 |
| | | | F | S | S | S | S | S |
| Japanese millet, 1049 | 5408 | S | L | 97.98 | | 1.90 | .12 | 76 |
| | | | F | S | S | S | S | S |
| Poa trivialis, 3540 | 5403 | S | L | 94.40 | .30 | .20 | 5.10 | 88 |
| | | | F | S | S | S | S | S |
| Sudan grass, Common, 3240 | 5405 | S | L | 98.00 | .40 | .10 | 1.50 | 85 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Peterboro** | | | | | | | | |
| Red clover, Medium, 5533 | 5259 | S | L | 99.25 | .50 | .15 | .10 | 80 |
| | | | F | S | S | S | S | S |
| **Merrimack Farmers' Exch., Inc., Plymouth** | | | | | | | | |
| Brome grass, Southern, 3342 | 5661 | S | L | 86.92 | .28 | .18 | 12.62 | 90 |
| | | | F | S | S | S | S | S |
| Ladino clover, 2123 | 5659 | S | L | 99.92 | .02 | .02 | .04 | 82.5 |
| | | | F | S | S | S | S | S |
| Rye, Prolific, 3773 | 5660 | S | L | 99.50 | .10 | | .40 | 85 |
| | | | F | S | S | S | S | S |

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***Retail store labeling its own seed.

| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| **STANFORD SEED CO., Buffalo, N. Y. (continued)** | | | | | | | | | |
| **Merrimack Farmers' Exch., Inc., Woodsville** | | | | | | | | | |
| Brome grass, Southern, 3342 | 5467 | S | L | 86.92 | .28 | .18 | 12.62 | 90 | |
| | | | F | S | S | S | S | S | |
| **Wirthmore Feed Co., Nashua** | | | | | | | | | |
| Buckwheat, Silverhull, 5606 | 5240 | S | L | 99.75 | .05 | .05 | .15 | 85 | |
| | | | F | S | S | S | S | S | |
| Japanese millet, 1062 | 5241 | S | L | 97.74 | | 1.72 | .54 | 80 | |
| | | | F | S | S | S | S | S | |
| Red clover, Medium, 5629 | 5238 | S | L | 99.25 | .25 | .15 | .35 | 80 | |
| | | | F | S | S | S | S | S | |
| Sudan grass, Common, 3240 | 5239 | S | L | 98.00 | .40 | .10 | 1.50 | 85 | |
| | | | F | S | S | S | S | S | |
| Timothy, 5490 | 5237 | S | L | 99.60 | .20 | .15 | .05 | 90 | |
| | | | F | S | S | S | S | S | |
| **WHITNEY SEED CO., INC., Buffalo, N. Y.** | | | | | | | | | |
| **Dodge Grain Co., Salem Depot** | | | | | | | | | |
| Lawn Seed, Pan-American, PA 355: | 5350 | S | L | | | .30 | 3.45 | | |
| | | | F | | S | S | S | | |
| Ryegrass, Common | | | L | 29.70 | | | | 90 | |
| | | | F | S | | | | S | |
| Red fescue | | | L | 28.25 | | | | 85 | |
| | | | F | S | | | | S | |
| Kentucky bluegrass | | | L | 18.00 | | | | 75 | |
| | | | F | S | | | | S | |
| Poa trivialis | | | L | 9.50 | | | | 80 | |
| | | | F | S | | | | S | |
| Highland bentgrass | | | L | 9.80 | | | | 85 | |
| | | | F | S | | | | S | |
| Kent wild white clover | | | L | 1.00 | | | | 65 | |
| | | | F | S | | | | S | |
| White clover, 2155 | 5349 | S | L | 95.00 | 3.90 | .35 | .75 | 80 | |
| | | | F | S | S | S | S | S | |
| **Farmers Feed & Supply Co., Colebrook** | | | | | | | | | |
| Alsike clover, 1567 | 5570 | S | L | 98.70 | 1.00 | .15 | .15 | 75 | |
| | | | F | S | S | S | S | S | |
| **Farmers Feed & Supply Co., Haverhill** | | | | | | | | | |
| Alsike clover, 1567 | 5418 | S | L | 98.70 | 1.00 | .15 | .15 | 75 | |
| | | | F | S | S | S | S | S | |
| Corn, Cornell 29-3, 71407 | 5421 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Corn, Cornell M-1, 71362 | 5422 | S | L | 99.75 | | | .25 | 90 | |
| | | | F | S | S | S | S | S | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **WHITNEY SEED CO., INC., Buffalo, N. Y. (continued)** | | | | | | | | | |
| **Farmers Feed & Supply Co., Haverhill (continued)** | | | | | | | | | |
| Ladino clover, 56 L 59 | 5420 | S | L | 99.85 | | .05 | .10 | 80 | |
| | | | F | S | S | S | S | S | |
| Red clover, Medium, 50654 | 5419 | S | L | 99.56 | .26 | .02 | .16 | 80 | |
| | | | F | S | S | S | S | S | |
| Redtop, 40552 | 5417 | S | L | 92.20 | .80 | 1.00 | 6.00 | 85 | Purity below guarantee; other crop seeds excessive. |
| | | | F | 88.57 | 3.74 | S | S | S | |
| Timothy, 1237 | 5416 | S | L | 99.75 | .05 | .05 | .15 | 90 | |
| | | | F | S | S | S | S | S | |
| **Farmers Feed & Supply Co., Lancaster** | | | | | | | | | |
| Brome grass, Lincoln, 3824 | 5550 | S | L | 88.30 | .16 | .10 | 11.44 | 85 | |
| | | | F | S | S | S | S | S | |
| **R. N. Johnson & Sons, Walpole** | | | | | | | | | |
| Alfalfa, Ranger, 2147 | 5314 | S | L | 99.88 | | .02 | .10 | 90 | |
| | | | F | S | S | S | S | S | |
| Alsike clover, 1570 | 5315 | S | L | 99.10 | .80 | .05 | .05 | 70 | |
| | | | F | S | S | S | S | S | |
| Birdsfoot trefoil, Empire, 5977 | 5311 | S | L | 98.35 | 1.50 | .10 | .05 | 57 | |
| | | | F | S | S | S | S | S | |
| Brome grass, Lincoln, 3825 | 5312 | S | L | 89.52 | .12 | .18 | 10.18 | 80 | |
| | | | F | S | S | S | S | S | |
| Ladino clover, 56 L 89 | 5313 | S | L | 99.90 | | .05 | .05 | 80 | |
| | | | F | S | S | S | S | S | |
| Red clover, Medium, 50667 | 5309 | S | L | 99.78 | | .08 | .14 | 88 | |
| | | | F | S | S | S | S | S | |
| Redtop, 40568 | 5316 | S | L | 94.80 | .80 | .60 | 3.80 | 85 | |
| | | | F | S | S | S | S | S | |
| Sudan grass, Piper, 3067 | 5310 | S | L | 99.42 | | | .58 | 89 | |
| | | | F | S | S | S | S | S | |
| Timothy, 1225 | 5317 | S | L | 99.60 | .25 | .10 | .05 | 85 | 3 Canada thistle found in 50-grams (Primary noxious weed). |
| | | | F | S | S | S | S | S | |
| **J. J. Moreau Dept. Store, Manchester** | | | | | | | | | |
| Lawn Seed, Colonial, 7155, AMS 33: | 5281 | S | L | | | .35 | 5.67 | | |
| | | | F | | S | S | S | | |
| Kentucky bluegrass | | | L | 20.40 | | | | 80 | |
| | | | F | S | | | | S | |
| Chewings fescue | | | L | 19.60 | | | | 80 | |
| | | | F | S | | | | 57 | Germination below guarantee. |
| Domestic ryegrass | | | L | 17.64 | | | | 90 | |
| | | | F | S | | | | S | |
| Timothy | | | L | 14.70 | | | | 80 | |
| | | | F | S | | | | S | |



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| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | | Pure Seed | Other Crop Seed | Weed Seed | Inert Matter | Germination | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | (Note) | (Note) | (Note) | (Note) | (Note) | |
| **WHITNEY SEED CO., INC., Buffalo, N. Y. (continued)** | | | | | | | | | |
| **J. J. Moreau Dept. Store, Manchester, (continued)** | | | | | | | | | |
| Redtop | | | L | 13.80 | | | | 85 | |
| | | | F | S | | | | S | |
| White clover | | | L | 7.84 | | | | 76 | |
| | | | F | S | | | | S | |
| **Presto Grain Co., Inc., Claremont** | | | | | | | | | |
| Alfalfa, Cert. Ranger, 2147 | 5630 | S | L | 99.88 | | .02 | .10 | 90 | |
| | | | F | S | S | S | S | S | |
| Corn, Cornell 29-3, 71393 | 5636 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Field peas, Canada, 65 x 86 | 5635 | S | L | 99.69 | .09 | | .22 | 80 | |
| | | | F | S | S | S | S | S | |
| Hungarian millet, 48545 | 5633 | S | L | 98.94 | .12 | .64 | .30 | 90 | |
| | | | F | S | S | S | S | S | |
| Japanese millet, 46583 | 5629 | S | L | 99.12 | .17 | .22 | .49 | 85 | |
| | | | F | S | S | S | S | S | |
| Red clover, Medium, 50667 | 5631 | S | L | 99.78 | | .08 | .14 | 88 | |
| | | | F | S | S | S | S | S | |
| Soybeans, Lincoln, 66476 | 5634 | S | L | 97.47 | .11 | .01 | 2.41 | 90 | |
| | | | F | S | S | S | S | S | |
| Sweet clover, Yellow Blossom, 5554 | 5632 | S | L | 99.50 | .34 | .10 | .06 | 81 | |
| | | | F | S | S | S | S | S | |
| **I. G. Young Co., North Stratford** | | | | | | | | | |
| Corn, Cert. Wisconsin 275, 71406 | 5565 | S | L | 99.50 | | | .50 | 90 | |
| | | | F | S | S | S | S | S | |
| Hungarian millet, 48545 | 5566 | S | L | 98.94 | .12 | .64 | .30 | 90 | |
| | | | F | S | S | S | S | S | |
| Soybeans, Black Wilson, 66475 | 5564 | S | L | 99.40 | .07 | .12 | .41 | 85 | |
| | | | F | S | S | S | S | S | |
| **F. H. WOODRUFF & SONS, INC., Milford, Conn.** | | | | | | | | | |
| **Moulton, Goodwin & Hall, Portsmouth** | | | | | | | | | |
| Grass Seed Mixture, Green-up, 29-152: | 5166 | S | L | | .80 | .90 | 8.40 | | |
| | | | F | | S | S | S | | |
| Common ryegrass | | | L | 44.10 | | | | 90 | |
| | | | F | S | | | | S | |
| Timothy | | | L | 24.20 | | | | 80 | |
| | | | F | S | | | | S | |
| Kentucky 31 fescue | | | L | 9.70 | | | | 85 | |
| | | | F | S | | | | S | |
| Red fescue | | | L | 9.50 | | | | 75 | |
| | | | F | S | | | | S | |
| Redtop | | | L | 2.40 | | | | 70 | |
| | | | F | S | | | | S | |
| Poa trivialis | | | L | | | | | | |
| | | | F | 2.35 | | | | 55 | |
| White clover, 813-1512 | 5165 | S | L | 98.90 | .55 | .20 | .35 | 80 | |
| | | | F | S | S | S | S | S | |

It is presumed that the following sample of seed was carried over by the dealer from the previous season; hence the name of the wholesaler is omitted.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Grossman Company, Salem Depot** | | | | | | | | |
| Grass Seed & Organic Fertilizer Mixture, Mend-a-Lawn, Lot MB-2-54. | 5298 | 2/1954 | L | 23.20 | .10 | .08 | 69.12 | Not tested within 9 months. |
| | | | F | | S | S | S | |
| Kentucky bluegrass | | | L | 11.12 | | | 75 | |
| | | | F | S | | | S | |
| Perennial ryegrass | | | L | 4.90 | | | 90 | |
| | | | F | S | | | S | |
| Meadow fescue | | | L | 3.65 | | | 90 | |
| | | | F | S | | | 11 | Germination below guarantee. |
| Redtop | | | L | 2.30 | | | 90 | |
| Highland bent | | | L | 1.23 | | | 90 | †Satisfactory. |
| Agrostis spp. (Redtop & Highland bent) | | | F | 3.75† | | | 77 | Germination below guarantee. |

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# New Hampshire Experiment Station
# VEGETABLE SEED INSPECTION, 1955

| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | Germination | | |
|---|---|---|---|---|---|
| | | | Found | Guaranteed** | N. H. Standard |
| | | | (Note) | | |
| **ALLEN, STERLING & LOTHROP, Portland, Me.** | | | | | |
| **G. B. Currier & Co., West Stewartstown** | | | | | |
| Beans, Dwarf Horticultural | 5512 | S | S | | 75 |
| Beans, Burpee's Stringless Green Pod | 5513 | S | S | | 75 |
| Beans, Dwarf Horticultural | 5514 | S | S | | 75 |
| Beans, Pencil Pod Black Wax | 5515 | S | S | | 75 |
| Beans, Kentucky Wonder Pole | 5516 | S | S | | 75 |
| Beets, Detroit Dark Red | 5522 | S | S | | 65 |
| Carrot, Danvers Half Long | 5518 | S | S | | 55 |
| Corn, Marcross, C 13-6 | 5511 | S | S | | 75 |
| Cucumber, Highmoor | 5523 | S | 68 | | 80 |
| Pumpkin, Small Sugar | 5519 | S | S | | 75 |
| Rutabaga, American Purple Top | 5521 | S | S | | 75 |
| Squash, Buttercup | 5520 | S | S | | 75 |
| Swiss Chard, Lucullus | 5517 | S | S | | 65 |
| **I. G. Young Co., North Stratford** | | | | | |
| Cucumber, Long Green | 5569 | S | S | | 80 |
| Squash, Acorn | 5567 | S | 52.5 | | 75 |
| Squash, Blue Hubbard | 5568 | S | S | | 75 |
| **ASSOCIATED SEED GROWERS, INC., Cambridge, N. Y.** | | | | | |
| **W. R. Barnett, I.G.A., Colebrook** | | | | | |
| Lettuce, Prizehead | 5510 | S | S | 80 | 80 |
| Muskmelon, Hale's Best | 5509 | S | S | 80 | 75 |
| Onion, White Portugal or Silverskin | 5402 | S | S | 75 | 70 |
| Swiss Chard, Fordhook Giant | 5508 | S | S | 65 | 65 |
| **Center Store, Inc., Contoocook** | | | | | |
| Cabbage, Savoy Perfection Drumhead | 5196 | S | S | 80 | 75 |
| Carrot, Chanticleer | 5195 | S | S | 55 | 55 |
| Cauliflower, Early Snowball | 5193 | S | S | 75 | 75 |
| Lettuce, Black Seeded Simpson | 5197 | S | S | 85 | 80 |
| Pepper, Early Calwonder | 5192 | S | S | 65 | 55 |
| Radish, French Breakfast | 5194 | S | S | 80 | 75 |
| Tomato, Earliana | 5191 | S | S | 75 | 75 |
| Turnip, Purple Top White Globe | 5198 | S | S | 80 | 80 |
| **Dodge Grain Co., Salem Depot** | | | | | |
| Carrot, Chanticleer | 5347 | S | S | 55 | 55 |
| Carrot, Long Orange Improved | 5348 | S | S | 55 | 55 |
| Cucumber, National Assoc. Pickling | 5344 | S | S | 80 | 80 |
| Cucumber, Model Pickling | 5345 | S | S | 80 | 80 |
| Endive, Full Heart Batavian | 5343 | S | S | 70 | 70 |
| Radish, Rice's Improved Scarlet Globe | 5346 | S | S | 80 | 75 |
| **Farmers Feed & Supply Co., Colebrook** | | | | | |
| Beans, Kentucky Wonder Pole | 5574 | S | S | 80 | 75 |
| **ASSOCIATED SEED GROWERS, INC., Milford, Conn.** | | | | | |
| **Moulton, Goodwin & Hall, Portsmouth** | | | | | |
| Peas, Laxtonian | 5162 | S | S | 90 | 80 |
| Peas, Laxton's Progress | 5163 | S | S | 90 | 80 |
| Peas, World's Record | 5164 | S | S | 87 | 80 |
| **ASSOCIATED SEED GROWERS, INC., New Haven, Conn.** | | | | | |
| **Farmers Feed & Supply Co., Berlin** | | | | | |
| Beans, Burpee's Stringless Green Pod | 5547 | S | S | 90 | 75 |
| Peas, Gradus, Lot 1344 | 5548 | S | S | 85 | 80 |
| Peas, Laxtonian, Lot 26004 | 5549 | S | S | 85 | 80 |
| **Farmers Feed & Supply Co., Colebrook** | | | | | |
| Carrot, Danvers Half Long, 63423 | 5577 | S | 79† | 90 | 55 |
| Rutabaga, Am. Purple Top, 60526 | 5575 | S | S | 90 | 75 |
| Spinach, Bloomsdale Long Standing, 1713 | 5576 | S | S | 80 | 60 |

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† after the figure indicates that the sample was up to standard but below guarantee.

| Name and Address of Wholesaler<br>Name and Address of Dealer or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | Germination | | |
|---|---|---|---|---|---|
| | | | Found | Guaranteed** | N. H. Standard |
| | | | (Note) | | |
| **ASSOCIATED SEED GROWERS, INC., New Haven, Conn. (continued)** | | | | | |
| **Farmers Feed & Supply Co., Lancaster** | | | | | |
| Carrot, Imperator, 67048 | 5551 | S | S | 78 | 55 |
| **Farmers Feed & Supply Co., Lebanon** | | | | | |
| Beans, Burpee's Stringless Green Pod | 5302 | S | S | 90 | 75 |
| Beans, Imp. Golden Wax, 80781 | 5303 | S | S | 85 | 75 |
| Beans, Pencil Pod Black Wax, 16194 | 5308 | S | S | 85 | 75 |
| Beet, Detroit Dark Red, 17037 | 5306 | S | S | 90 | 65 |
| Carrot, Danvers Half Long, 63423 | 5307 | S | S | 90 | 55 |
| Corn, Golden Cross Bantam, 34480 | 5304 | S | S | 90 | 75 |
| Corn, Golden Sunshine, 13544 | 5305 | S | S | 90 | 75 |
| Peas, Blue Bantam, 27045 | 5299 | S | S | 85 | 80 |
| Peas, Dwarf Telephone, 17026 | 5300 | S | S | 85 | 80 |
| Peas, World's Record, 13445 D | 5301 | S | S | 85 | 80 |
| **BRECK'S, Boston, Mass.** | | | | | |
| **Moulton, Goodwin & Hall, Portsmouth** | | | | | |
| Cucumber, Straight Eight, 5872 | 5152 | S | S | 80 | 80 |
| Dandelion, Italian Ciccoria Catalogna | 5151 | S | S | 65 | 65 |
| Turnip, Purple Top White Globe, 7335 | 5155 | S | S | 80 | 80 |
| **W. ATLEE BURPEE, Philadelphia, Pa.** | | | | | |
| **Spencer Hardware Co., Keene** | | | | | |
| Cabbage, Burpee's Copenhagen Market | 5190 | S | S | 80 | 75 |
| Carrot, Chantenay | 5186 | S | S | 65 | 55 |
| Endive, Broad-leaved Batavian | 5184 | S | S | 80 | 70 |
| Lettuce, Grand Rapids | 5188 | S | S | 80 | 80 |
| Onion, Southport Yellow Globe | 5183 | S | S | 75 | 70 |
| Tomato, Burpee Hybrid | 5187 | S | S | 80 | 75 |
| **Laconia State School, Laconia** | | | | | |
| Swiss Chard, Burpee's Fordhook Giant | 5131 | None | S | | 65 |
| **CROSMAN SEED CORP., East Rochester, N. Y.** | | | | | |
| **Montgomery Ward Co., Claremont** | | | | | |
| Beans, Brittle Wax | 5327 | S | S | 85 | 75 |
| Beet, Detroit Perfected | 5334 | S | S | 85 | 65 |
| Carrot, Nantes | 5326 | S | S | 75 | 55 |
| Corn, Golden Bantam | 5328 | S | S | 85 | 75 |
| Cucumber, Ohio Mosaic Resistant | 5329 | S | S | 90 | 80 |
| Muskmelon, Iroquois | 5333 | S | S | 85 | 75 |
| Onion, Danvers Yellow Globe | 5330 | S | S | 80 | 70 |
| Peas, Thomas Laxton | 5325 | S | S | 85 | 80 |
| Radish, Cherry Belle | 5331 | S | S | 90 | 75 |
| Tomato, Marglobe | 5332 | S | S | 85 | 75 |
| **EASTERN STATES FARMERS' EXCH., Inc., West Springfield, Mass.** | | | | | |
| **Eastern States Farmers' Exch., Inc., Claremont** | | | | | |
| Brussels Sprouts, Catskill, V983 214 | 5625 | S | S | 75 | 70 |
| Rutabaga, Albergur, V722 996 | 5627 | S | S | 85 | 75 |
| Salsify, Mammoth Sandwich Island, V180 813 | 5628 | S | S | 80 | 75 |
| Spinach, Long Standing Bloomsdale, V878 884 | 5626 | S | S | 65 | 60 |
| **Eastern States Farmers' Exch., Inc., Dover** | | | | | |
| Celery, Emerson Pascal, V726 384 | 5386 | S | S | 90 | 55 |
| Celery, Tall Fordhook, V367 383 | 5387 | S | S | 85 | 55 |
| Lettuce, Oak Leaf, V79 547 | 5388 | S | S | 90 | 80 |
| Lettuce, Black Seeded Simpson, V144 544 | 5389 | S | S | 90 | 80 |
| Lettuce, White Boston, V145 523 | 5390 | S | S | 85 | 80 |
| Lettuce, Imperial, V945-2 515 | 5391 | S | S | 90 | 80 |
| Lettuce, Great Lakes, V66 517 | 5392 | S | S | 90 | 80 |
| **Eastern States Farmers' Exch., Inc., Manchester** | | | | | |
| Beans, Cherokee, V835 49 | 5430 | S | S | 90 | 75 |
| Corn, Gold Mine, V141 439 | 5449 | S | S | 90 | 75 |
| Corn, Butter & Sugar, V297A 427 | 5450 | S | S | 90 | 75 |
| Cucumber, Ohio MR 17 Pickling, V952 404 | 5452 | S | S | 90 | 80 |
| Cucumber, Straight 8, V162 412 | 5453 | S | S | 85 | 80 |
| Cucumber, Marketer, V163A 414 | 5454 | S | S | 85 | 80 |
| Lettuce, Imperial, V44 519 | 5455 | S | S | 90 | 80 |
| Lettuce, White Boston, V145 523 | 5456 | S | S | 85 | 80 |
| Peas, Freezonian, V119-2, 682 | 5451 | S | S | 90 | 80 |
| Pepper, Early Calwonder, V223 738 | 5457 | S | 74† | 90 | 55 |
| Radish, Early Scarlet Globe, V205 823 | 5458 | S | S | 95 | 75 |
| Radish, Cavalier, V127 825 | 5459 | S | S | 90 | 75 |
| Radish, White Icicle, V80 846 | 5460 | S | S | 90 | 75 |
| Tomato, Pennheart, V749 1 914 | 5461 | S | S | 95 | 75 |

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|---|---|---|---|---|---|
| | | | Found | Guaranteed** | N. H. Standard |
| | | | (Note) | | |
| **EASTERN STATES FARMERS' EXCH., INC., West Springfield, Mass. (continued)** | | | | | |
| Eastern States Farmers' Exch., Inc., Woodsville | | | | | |
| Beans, Long Podded Horticultural, V37 A 64 | 5440 | S | 64 | 75 | 75 |
| Beans, Wade, V813 31 | 5441 | S | S | 75 | 75 |
| Beans, Kentucky Wonder, V117 A 76 | 5442 | S | S | 85 | 75 |
| Beans, Pencil Pod Wax, V124-1 45 | 5443 | S | S | 85 | 75 |
| Cabbage, Golden Acre, V985 232 | 5444 | S | S | 90 | 75 |
| Eggplant, N. H. Hybrid, V204 A 462 | 5446 | S | S | 80 | 60 |
| Kohlrabi, White Vienna, V166 493 | 5447 | S | S | 95 | 75 |
| Lima beans, Fordhook 242, V102-1-105 | 5439 | S | 55 | 75 | 70 |
| Rutabaga, Bristol White, V616-1 994 | 5448 | S | S | 90 | 75 |
| Squash, Green Delicious, V13 794 | 5470 | S | S | 90 | 75 |
| Tomato, Cavalier, V89-1 915 | 5445 | S | S | 90 | 75 |
| Laconia State School, Laconia | | | | | |
| Beans, Tekoa, V2541 | 5128 | S | S | 85 | 75 |
| Beet, Perfected Detroit, V95 146 | 5130 | S | S | 85 | 65 |
| Cabbage, Oak View Baldhead | 5609 | S | S | 90 | 75 |
| Cabbage, Golden Acre, V151 232 | 5129 | S | S | 90 | 75 |
| Corn, Golden Cross Bantam, V301 1A 448 | 5125 | S | S | 80 | 75 |
| Parsnip, Model, V237 643 | 5127 | S | S | 90 | 60 |
| Peas, Progress No. 9, Wrinkled, V217 689 | 5126 | S | S | 80 | 80 |
| Squash, Blue Hubbard, V924 797 | 5124 | S | S | 90 | 75 |
| N. H. State Prison Farm, Concord | | | | | |
| Pepper, Early Giant, V283 732 | 5133 | S | S | 85 | 55 |
| Squash, Early Prolific Straightneck, V335 782 | 5134 | S | S | 90 | 75 |
| Tomato, Eastern States F-1, V58 A 936 | 5132 | S | S | 80 | 75 |
| **FERRY-MORSE SEED CO., Detroit, Mich.** | | | | | |
| Ayers & Jenkins Co., Rochester | | | | | |
| Carrot, Danvers Half Long | 5670 | S | S | 80 | 55 |
| Endive, Full Heart Batavian | 5667 | S | S | 80 | 70 |
| Lettuce, Grand Rapids | 5668 | S | S | 85 | 80 |
| Lettuce, Oak Leaf | 5669 | S | S | 80 | 80 |
| Radish, Early Scarlet Turnip Wh. Tipped | 5665 | S | S | 85 | 75 |
| Radish, Icicle | 5666 | S | S | 90 | 75 |
| Curtis Hardware Co., Berlin | | | | | |
| Beet, Detroit Dark Red | 5555 | S | S | 80 | 65 |
| Cabbage, Copenhagen Market | 5552 | S | S | 85 | 75 |
| Carrot, Danvers Half Long | 5562 | S | S | 80 | 55 |
| Chinese Cabbage, Michihli | 5556 | S | S | 90 | 75 |
| Cucumber, Straight Eight | 5561 | S | S | 80 | 80 |
| Endive, Large Green Curled | 5560 | S | S | 80 | 70 |
| Lettuce, Oak Leaf | 5559 | S | S | 80 | 80 |
| Onion, Southport Red Globe | 5557 | S | S | 70 | 70 |
| Parsley, Hamburg Thick Rooted | 5558 | S | S | 65 | 60 |
| Radish, Early Scarlet Globe | 5554 | S | S | 85 | 75 |
| Rutabaga, American Purple Top | 5553 | S | S | 85 | 75 |
| Tomato, Bonny Best | 5563 | S | S | 75 | 75 |
| Elm City Grain Co., Keene | | | | | |
| Beans, Golden Wax Bush Topnotch | 5176 | S | S | 75 | 75 |
| Beans, Stringless Green Pod | 5177 | S | S | 75 | 75 |
| Beans, Tendergreen, Green Pod | 5182 | S | S | 75 | 75 |
| Beans, Kentucky Wonder | 5178 | S | S | 80 | 75 |
| Corn, Hybrid Foremost Y-1 | 5179 | S | S | 80 | 75 |
| Corn, Golden Bantam | 5180 | S | S | 75 | 75 |
| Peas, Little Marvel | 5181 | S | S | 80 | 80 |
| J. J. Newberry Co., Portsmouth | | | | | |
| Beet, Detroit Dark Red | 5169 | S | S | 75 | 65 |
| Carrot, Red Cored Chantenay | 5167 | S | S | 80 | 55 |
| Carrot, Danvers Half Long | 5168 | S | S | 85 | 55 |
| Cucumber, Early White Spine | 5170 | S | S | 85 | 80 |
| Onion, Sweet Spanish | 5171 | S | S | 85 | 70 |
| Parsnip, Hollow Crown | 5172 | S | S | 80 | 60 |
| Radish, Early Scarlet Globe | 5173 | S | S | 90 | 75 |
| Spinach, Giant Thick Leaved | 5174 | S | S | 75 | 60 |

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| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | Germination | | |
|---|---|---|---|---|---|
| | | | Found | Guaranteed** | N. H. Standard |
| | | | (Note) | | |
| **CHAS. C. HART SEED CO., Wethersfield, Conn.** | | | | | |
| Depot Stores, Littleton | | | | | |
| Beans, Pencil Pod Black Wax | 5424 | S | S | 85 | 75 |
| Beans, Long Pod Dwarf Horticultural | 5425 | S | S | 85 | 75 |
| Corn, Hybrid Spancross, 8 x 13 | 5426 | S | S | 85 | 75 |
| Corn, Early Golden Bantam | 5428 | S | S | 85 | 75 |
| Corn, Early Golden Sunshine | 5429 | S | S | 85 | 75 |
| Peas, Thomas Laxton | 5423 | S | S | 85 | 80 |
| Peas, Tall Telephone | 5427 | S | S | 85 | 80 |
| Rand, Ball & King Co., Claremont | | | | | |
| Beans, Boston Favorite | 5646 | S | S | 85 | 75 |
| Beans, Pencil Pod Black Wax | 5647 | S | S | 85 | 75 |
| Beans, Yellow Eye | 5648 | S | S | 85 | 75 |
| Beans, Dwarf Green Pod | 5649 | S | S | 85 | 75 |
| Carrot, Danvers Half Long | 5642 | None | S | | 55 |
| Corn, Early Golden Bantam | 5650 | S | S | 85 | 75 |
| Corn, Spancross | 5651 | S | S | 85 | 75 |
| Corn, Stowell's Evergreen | 5652 | S | S | 85 | 75 |
| Parsnip, Hollow Crown | 5643 | S | 29 | 75 | 60 |
| Spinach, Savoy | 5645 | S | S | 75 | 60 |
| Peas, Thomas Laxton | 5654 | S | S | 85 | 80 |
| Peas, Nott's Excelsior | 5655 | S | S | 85 | 80 |
| Peas, Blue Bantam | 5656 | S | S | 85 | 80 |
| Peas, Tall Telephone | 5657 | S | S | 85 | 80 |
| Swiss Chard, Lucullus | 5644 | S | S | 70 | 65 |
| Sunshine Feed Store, Manchester | | | | | |
| Beans, Dwarf Shell | 5415 | S | S | 85 | 75 |
| Cucumber, Straight Eight | 5413 | S | S | 85 | 80 |
| **BUDD D. HAWKINS CO., Reading, Vt.** | | | | | |
| Follansbee Feed Store, Lebanon | | | | | |
| Beans, Stringless Green Pod | 5374 | S | S | 75 | 75 |
| Beet, Early Wonder | 5371 | S | S | 65 | 65 |
| Beet, Early Blood Turnip | 5373 | S | S | 65 | 65 |
| Carrot, Nantes Coreless | 5370 | S | S | 55 | 55 |
| Carrot, Danvers Half Long | 5372 | S | S | 55 | 55 |
| Corn, Golden Bantam | 5375 | S | S | 75 | 75 |
| Cucumber, Straight Eight | 5366 | S | S | 80 | 80 |
| Lettuce, Early Curled Simpson | 5367 | S | S | 80 | 80 |
| Lettuce, Iceberg | 5368 | S | S | 80 | 80 |
| Parsley, Moss Curled | 5369 | S | S | 60 | 60 |
| Peas, Tall Telephone | 5376 | S | S | 80 | 80 |
| Tomato, Marglobe | 5365 | S | S | 75 | 75 |
| **BILLY HEPLER SEED CO., Durham, N. H.** | | | | | |
| Industrial School, Manchester | | | | | |
| Beet, Detroit Dark Red | 5137 | S | S | | 65 |
| Cabbage, Danish Ballhead | 5138 | S | S | | 75 |
| Carrot, Chantenay | 5139 | S | S | | 55 |
| Corn, Golden Cross | 5142 | S | S | | 75 |
| Cucumber, Straight Eight | 5135 | S | S | | 80 |
| Spinach, America | 5140 | S | S | | 60 |
| Squash, Golden Delicious | 5141 | S | S | | 75 |
| Swiss Chard, Fordhook Giant | 5136 | S | S | | 65 |
| F. B. Spaulding Co., Lancaster | | | | | |
| Muskmelon, Granite State | 5525 | S | S | 80 | 75 |
| Tomato, N. H. Victor | 5524 | S | S | 75 | 75 |
| Watermelon, N. H. Midget | 5526 | S | S | 80 | 70 |
| **MERRIMACK FARMERS' EXCH., INC., Concord** | | | | | |
| Merrimack Farmers' Exch., Inc., Bradford | | | | | |
| Cabbage, Long Island Savoy | 5189 | S | S | | 75 |
| Cabbage, Red Acre | 5218 | S | S | | 75 |
| Celery, Summer Pascal | 5175 | S | S | | 55 |
| Corn, Golden Bantam, 30-3-C | 5219 | S | S | | 75 |
| Corn, Golden Cross Bantam, 39-3-C | 5220 | S | S | | 75 |

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| **MERRIMACK FARMERS' EXCH., INC., Concord (continued)** | | | | | |
| **Merrimack Farmers' Exch., Inc., Claremont** | | | | | |
| Beans, Contender, 06-3-A | 5362 | S | S | | 75 |
| Beans, Cherokee Wax, 05-3-C | 5364 | S | S | | 75 |
| Beans, Tenderlong, 19-3-C | 5351 | S | S | | 75 |
| Beets, Detroit Dark Red, 58-3-D | 5352 | S | S | | 65 |
| Broccoli, Early Calabrese, 00-3-D | 5353 | S | S | | 75 |
| Cabbage, Danish Ballhead, 104-3-C | 5354 | S | S | | 75 |
| Carrots, Nantes Golden Beauty, 113-3-C | 5355 | S | S | | 55 |
| Corn, Victory Golden, 42-3-D | 5356 | S | S | | 75 |
| Corn, Northland, 34-L-D | 5357 | S | S | | 75 |
| Corn, Golden Crown, 35-2-C | 5358 | S | S | | 75 |
| Cucumber, Marketer, 121-3-D | 5359 | S | S | | 80 |
| Lettuce, Great Lakes, 133-3-C | 5360 | S | S | | 80 |
| Radishes, Cherry Belle, 149-3-C | 5361 | S | S | | 75 |
| **Merrimack Farmers' Exch., Inc., Concord** | | | | | |
| Lima Beans, Fordhook Bush 242, Lot 083 D | 5233 | S | S | | 70 |
| **Merrimack Farmers' Exch., Inc., Epping** | | | | | |
| Beans, Goddard Bush Shell, 11JC | 5296 | S | S | | 75 |
| Beans, Pencil Pod Black Wax, 013C | 5297 | S | S | | 75 |
| **Merrimack Farmers' Exch., Inc., Manchester** | | | | | |
| Corn, High Quality Seneca "60", 36-2-D | 5204 | S | S | | 75 |
| Corn, Golden Cross Bantam, 39-3-D | 5205 | S | S | | 75 |
| Corn, Top Cross Maine Bantam, 45-3-C | 5206 | S | S | | 75 |
| Corn, Merrimack Hybrid, 44-L-D | 5207 | S | S | | 75 |
| Peas, Gradus, 533A | 5208 | S | S | | 80 |
| Peas, Merrimack Improved Telephone, 543C | 5209 | S | S | | 80 |
| Peas, Freezonian, 563-C | 5210 | S | S | | 80 |
| Peas, Dwarf Telephone, 553-C | 5211 | S | S | | 80 |
| Peas, Little Marvel, 523-D | 5212 | S | S | | 80 |
| Peas, World's Record, 46-FC | 5213 | S | S | | 80 |
| Peas, Sutton's Excelsior, 513-C | 5214 | S | S | | 80 |
| Peas, Laxtonian, 503-C | 5215 | S | S | | 80 |
| Peas, Laxton's Progress, 483-C | 5216 | S | S | | 80 |
| Peas, Woodruff's Topper, 473-C | 5217 | S | S | | 80 |
| **Merrimack Farmers' Exch., Inc., Milford** | | | | | |
| Lettuce, A-36, 137-3-C | 5270 | S | S | | 80 |
| Lettuce, Oak Leaf, 136-3-C | 5271 | S | S | | 80 |
| Lettuce, Imperial 44, 135-3-C | 5272 | S | S | | 80 |
| Lettuce, Penn Lake, 134-3-C | 5273 | S | S | | 80 |
| Lettuce, Great Lakes, 133-3-C | 5274 | S | S | | 80 |
| Squash, Early Yellow Crookneck, 166-3-D | 5275 | S | S | | 75 |
| Squash, Green Delicious, 164-3-C | 5276 | S | S | | 75 |
| Squash, Early Prolific Straightneck, 165-3-C | 5277 | S | S | | 75 |
| Squash, Table Queen, 168-3-C | 5278 | S | S | | 75 |
| **Merrimack Farmers' Exch., Inc., Peterboro** | | | | | |
| Beets, Detroit Dark Red, 53-3-D | 5251 | S | S | | 65 |
| Beets, Winter Keeper, 60-3-D | 5250 | S | S | | 65 |
| Beets, Crosby Egyptian, 57-3-C | 5252 | S | S | | 65 |
| Beets, Early Wonder, 59-3-C | 5257 | S | S | | 65 |
| Cauliflower, Early Snowball, 114-3-C | 5253 | S | S | | 75 |
| Cucumber, National Pickling, 122-3-C | 5255 | S | S | | 80 |
| Cucumber, Marketer, 121-3-D | 5256 | S | S | | 80 |
| Rutabaga Turnip, Am. Imp. Yellow, 175-3-C | 5254 | S | S | | 75 |
| **Merrimack Famers' Exch., Inc., Woodsville** | | | | | |
| Brussels Sprouts, Long Island Improved | 5498 | S | S | | 70 |
| Chinese Cabbage, Michihli | 5493 | S | S | | 75 |
| Cabbage, Red Acre | 5496 | S | S | | 75 |
| Cucumber, Marketer, 121-3-D | 5491 | S | S | | 80 |
| Kale, Blue Scotch | 5495 | S | S | | 75 |
| Kohl Rabi, Early White Vienna | 5497 | S | S | | 75 |
| Parsley, Moss Curled | 5494 | S | S | | 60 |
| Squash, Golden Delicious | 5492 | S | S | | 75 |
| Watermelon, Merrimack Sweetheart, 177-0-C | 5489 | S | S | | 70 |
| Watermelon, Imp. White Mountain, 178-0-C | 5490 | S | S | | 70 |

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| **MERRIMACK FARMERS' EXCH., INC., Concord (continued)** | | | | | |
| **N. H. State Hospital, Concord** | | | | | |
| Beet, Spinach or Perpetual (Burpee) 5305 | 5145 | S | 55 | 73 | 65 |
| Cabbage, Danish Ballhead | 5143 | S | S | | 75 |
| Carrots, Chantenay, 108-3-D | 5144 | S | S | | 55 |
| Corn, Sweet Marcross, 373-D | 5146 | S | S | | 75 |
| Cucumber, Marketer | 5148 | S | S | | 80 |
| Parsnip, Hollow Crown, 145-E-D | 5147 | S | S | | 60 |
| Squash, Blue Hubbard, 159-3-D | 5149 | S | S | | 75 |
| Squash, Green Delicious, 164-3-D | 5150 | S | S | | 75 |
| **J. J. MOREAU DEPT. STORE, Manchester*** ** | | | | | |
| **J. J. Moreau Dept. Store, Manchester** | | | | | |
| Beans, French Horticultural | 5285 | S | S | 85 | 75 |
| Beans, Burpee's Stringless Green Pod | 5286 | S | S | 90 | 75 |
| Beans, Kentucky Wonder | 5287 | S | S | 87 | 75 |
| Beets, Detroit Dark Red | 5288 | S | S | 90 | 65 |
| Beans, Pencil Pod Black Wax | 5292 | S | S | 90 | 75 |
| Carrot, Danvers Half Long | 5291 | S | S | 75 | 55 |
| Corn, Golden Sunshine | 5282 | S | S | 88 | 75 |
| Corn, Marcross Hybrid | 5283 | S | S | 85 | 75 |
| Corn, Golden Bantam | 5284 | S | S | 85 | 75 |
| Cucumber, Imp. Long Green | 5290 | S | S | 90 | 80 |
| Peas, Dwarf Telephone | 5293 | S | S | 90 | 80 |
| Peas, Improved Telephone | 5294 | S | S | 90 | 80 |
| Peas, Thomas Laxton | 5295 | S | S | 90 | 80 |
| Radish, Early Scarlet Globe | 5289 | S | S | 90 | 75 |
| **MOULTON, GOODWIN & HALL, Portsmouth*** ** | | | | | |
| **Moulton, Goodwin & Hall, Portsmouth** | | | | | |
| Beet, Crosby's Egyptian | 5161 | S | 67† | 87 | 65 |
| Cabbage, Golden Acre | 5159 | S | S | 83 | 75 |
| Endive, Green Curled | 5158 | S | S | 78 | 70 |
| Parsnip, Hollow Crown | 5157 | S | S | 90 | 60 |
| **NORTHRUP, KING & CO., Minneapolis, Minn.** | | | | | |
| **Moulton, Goodwin & Hall, Portsmouth** | | | | | |
| Lettuce, Big Boston, 232 | 5156 | S | S | 80 | 80 |
| Onion, Early Yellow Globe, 349 | 5153 | S | S | 70 | 70 |
| Radish, Early Scarlet Globe, 463 | 5154 | S | S | 75 | 75 |
| **PAGE SEED CO., Greene, N. Y.** | | | | | |
| **E. W. Bailey & Co., Colebrook** | | | | | |
| Beet, Crosby Egyptian | 5597 | S | S | 80 | 65 |
| Beet, Early Blood | 5598 | S | S | 75 | 65 |
| Carrot, Imperator | 5595 | S | S | 75 | 55 |
| Carrot, Danvers Half Long | 5599 | S | 65† | 80 | 55 |
| Cucumber, Early White Spine | 5600 | S | S | 85 | 80 |
| Parsnip, Hollow Crown | 5596 | S | S | 70 | 60 |
| Peas, Imp'd Dark Pod Telephone, C2 9954 | 5592 | S | S | 85 | 80 |
| Peas Thomas Laxton | 5593 | S | S | 88 | 80 |
| Radish, Early Scarlet White Tip | 5601 | S | S | 90 | 75 |
| Tomato, Earliana | 5594 | S | S | 75 | 75 |
| **Presto Grain Co., Inc., Claremont** | | | | | |
| Beans, Improved Golden Wax | 5637 | S | S | 80 | 75 |
| Corn, Gold Rush | 5638 | S | S | 85 | 75 |
| Peas, Dark Podded Telephone | 5639 | S | S | 80 | 80 |
| Peas, World's Record | 5640 | S | S | 85 | 80 |
| Peas, Laxtonian | 5641 | S | S | 85 | 80 |
| **Wirthmore Feed Co., Charlestown** | | | | | |
| Beets, Crosby's Egyptian | 5342 | S | S | 80 | 65 |
| Carrot, Danvers Half Long | 5339 | S | S | 80 | 55 |
| Cucumber, Early White Spine | 5338 | S | S | 85 | 80 |
| Lettuce, Premier Great Lakes | 5340 | S | S | 85 | 80 |
| Parsley, Moss Curled | 5337 | S | S | 75 | 60 |
| Parsnip, Hollow Crown | 5336 | S | S | 70 | 60 |
| Turnip, Purple Top White Globe | 5341 | S | S | 85 | 80 |

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| **J. B. RICE, JR., INC., Shushan, N. Y.** | | | | | |
| Bridge Feed & Grain Co., Walpole | | | | | |
| Beet, Early Blood Turnip | 5323 | S | S | 77 | 65 |
| Beet, Detroit Dark Red | 5324 | S | S | 80 | 65 |
| Cabbage, Danish Ballhead | 5320 | S | S | 80 | 75 |
| Carrot, Danvers Half Long | 5318 | S | S | 80 | 55 |
| Onion, Danvers Yellow Globe | 5319 | S | 71† | 80 | 70 |
| Rutabaga, American Purple Top | 5321 | S | S | 90 | 75 |
| Turnip, Purple Top White Globe | 5322 | S | S | 90 | 80 |
| Emerson 5 and 10, Groveton | | | | | |
| Carrot, Danvers Half Long | 5582 | S | S | 80 | 55 |
| Carrot, Red Cored Chantenay | 5583 | S | 70† | 85 | 55 |
| Lettuce, Early Curled Simpson | 5580 | S | S | 90 | 80 |
| Pepper, California Wonder | 5581 | S | S | 80 | 55 |
| Radish, Early Scarlet Turnip | 5584 | S | S | 85 | 75 |
| **SEARS, ROEBUCK & CO., Chicago, Ill.** | | | | | |
| Sears, Roebuck & Co., Keene | | | | | |
| Beet, Early Wonder | 5476 | S | 56.5 | 70 | 65 |
| Carrot, Imperator | 5482 | S | S | 55 | 55 |
| Corn, Spancross, C13.3 | 5471 | S | S | 85 | 75 |
| Corn, Marcross, C13.6 | 5472 | S | S | 85 | 75 |
| Corn, Topcross Maine Bantam | 5473 | S | S | 85 | 75 |
| Corn Calumet | 5474 | S | S | 85 | 75 |
| Kale, Dwarf Green Curled Scotch | 5487 | S | S | 75 | 75 |
| Kohlrabi, White Vienna | 5484 | S | S | 80 | 75 |
| Lettuce, Early Curled Simpson | 5479 | S | S | 85 | 80 |
| Lettuce, Black Seeded Simpson | 5481 | S | S | 85 | 80 |
| Muskmelon, Honey Rock, 4168 | 5480 | S | S | 80 | 75 |
| Muskmelon, Honey Rock, 4168 | 5486 | S | S | 80 | 75 |
| Parsnip, Hollow Crown | 5485 | S | S | 65 | 60 |
| Radish, White Icicle | 5483 | S | S | 80 | 75 |
| Spinach, Bloomsdale | 5478 | S | S | 65 | 60 |
| Squash, Green Hubbard | 5477 | S | S | 80 | 75 |
| Swiss Chard, Fordhook Giant | 5475 | S | S | 65 | 65 |
| **F. B. SPAULDING & CO., Lancaster*** ** | | | | | |
| F. B. Spaulding & Co., Lancaster | | | | | |
| Beans, Dwarf Horticultural | 5529 | S | S | 85 | 75 |
| Beans, Pencil Pod Black Wax | 5533 | S | S | 85 | 75 |
| Corn, Early Golden Bantam | 5528 | S | S | 85 | 75 |
| Corn, Golden Midget | 5530 | S | S | 85 | 75 |
| Corn, Early Golden Sunshine | 5536 | S | S | 85 | 75 |
| Peas, Thomas Laxton | 5527 | S | S | 85 | 80 |
| Peas, Peter Pan | 5531 | S | S | 85 | 80 |
| Peas, Tall Telephone | 5532 | S | S | 85 | 80 |
| Peas, Freezonian | 5534 | S | S | 85 | 80 |
| Peas, Laxton's Progress | 5535 | S | S | 85 | 80 |
| **WOODRUFF'S TRIPLE "T" SEEDS, INC., Wethersfield, Conn.** | | | | | |
| Checkerboard Feed Store, Manchester | | | | | |
| Carrot, Danvers Half Long | 5227 | S | S | 55 | 55 |
| Carrot, Chantenay Red Cored | 5228 | S | S | 55 | 55 |
| Endive, Green Curled | 5232 | None | S | 70 | 70 |
| Parsnip, Hollow Crown | 5231 | S | S | 60 | 60 |
| Radish, Cherry Belle | 5222 | S | S | 75 | 75 |
| Radish, Early White Tipped Scarlet | 5230 | None | S | 75 | 75 |
| Northern Hardware, Littleton | | | | | |
| Carrot, Danvers Half Long | 5503 | S | S | 55 | 55 |
| Cucumber, Boston Pickling | 5501 | S | S | 80 | 80 |
| **F. H. WOODRUFF & SONS, INC., Milford, Conn.** | | | | | |
| Beacon Grain Store, Dover | | | | | |
| Corn, Golden Bantam | 5604 | S | S | 87 | 75 |
| Corn, Golden Sunshine | 5605 | S | S | 88 | 75 |
| Corn, Marcross | 5606 | S | S | 90 | 75 |
| Peas, Thomas Laxton | 5603 | S | S | 85 | 80 |

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***Retail store labeling its own seed.

| Name and Address of Wholesaler<br>Name and Address of Dealer<br>or Place Collected<br>Kind of Seed | Sample No. | Date Tested* | Germination | | |
|---|---|---|---|---|---|
| | | | Found | Guaranteed** | N. H. Standard |
| | | | (Note) | | |
| **F. H. WOODRUFF & SONS, INC., Milford, Conn. (continued)** | | | | | |
| **Merrimack Farmers' Exch., Inc., Concord** | | | | | |
| Beans, Tenderlong, 0640 C | 5099 | S | S | 90 | 75 |
| Beans, Burpee's Stringless Green Pod, 0612C | 5100 | S | S | 90 | 75 |
| Beans, Pencil Pod Black Wax | 5101 | S | S | 87 | 75 |
| Beans, Dwarf Horticultural, 15222 | 5102 | S | S | 90 | 75 |
| Beans, Brittle Wax, 06305 | 5103 | S | S | 90 | 75 |
| Beans, Cherokee Wax, 06202 C | 5104 | S | S | 87 | 75 |
| Beans, Bountiful, 06151 C | 5105 | S | S | 90 | 75 |
| Beans, Kentucky Wonder, 1-6190 C | 5115 | S | S | 90 | 75 |
| Beans, French Horticultural, 46702 | 5116 | S | S | 90 | 75 |
| Beet, Detroit Dark Red, 1-61 | 5118 | S | 70† | 86 | 65 |
| Cabbage, Special Long Island Savoy, 9-416 | 5119 | S | S | 90 | 75 |
| Cabbage, Chinese Michihli, 9-279 | 5120 | S | S | 90 | 75 |
| Carrot, Nantes Half Long, 1-629 | 5121 | S | S | 84 | 55 |
| Corn, Carmelcross, 45876 | 5114 | S | S | 90 | 75 |
| Parsnip, Hollow Crown, 9-538 | 5122 | S | S | 80 | 60 |
| Peas, Dwarf Telephone, 1-641 | 5106 | S | S | 90 | 80 |
| Peas, Laxtonian, 45105 | 5107 | S | S | 86 | 80 |
| Peas, Laxton's Progress, 0-68 | 5108 | S | S | 86 | 80 |
| Peas, Little Marvel | 5109 | S | S | 90 | 80 |
| Peas, Improved Telephone, 45110 | 5110 | S | S | 80 | 80 |
| Peas, Thomas Laxton, 45075 | 5111 | S | S | 86 | 80 |
| Peas, World's Record, 42747 | 5112 | S | S | 90 | 80 |
| Peas, Freezonian, 1530 | 5113 | S | S | 90 | 80 |
| Tomato, Certified Bonny Best, 7-618-2C | 5123 | S | S | 90 | 75 |
| **S. D. WOODRUFF & SONS, INC., Orange, Conn.** | | | | | |
| **Checkerboard Feed Store, Manchester** | | | | | |
| Cabbage, Drumhead Savoy | 5225 | S | S | 75 | 75 |
| Cabbage, Copenhagen Market | 5226 | S | S | 75 | 75 |
| Carrot, Tendersweet | 5224 | S | S | 55 | 55 |
| Onion, Danvers Yellow Globe | 5223 | S | 58 | 70 | 70 |
| Parsley, Long Rooted Hamburg | 5229 | S | S | 60 | 60 |
| **Northern Hardware, Littleton** | | | | | |
| Beet, Crosby's Egyptian | 5500 | S | S | 65 | 65 |
| Cabbage, Flat Dutch | 5504 | S | S | 75 | 75 |
| Cabbage, Mammoth Red Rock | 5507 | S | S | 75 | 75 |
| Cucumber, Marketer | 5499 | S | S | 80 | 80 |
| Lettuce, Iceberg | 5502 | S | S | 80 | 80 |
| Muskmelon, Bender's Surprise | 5505 | S | S | 75 | 75 |
| Parsley, Moss Curled | 5506 | S | S | 60 | 60 |

*As stated on label. "S" in this column indicates that date of test was in compliance with law. Figures or "None" indicate violation.

**Sometimes stated on label but is not required if vegetable seed is up to standard.

Note: "S" in this column indicates that the sample was satisfactory, — up to standard and within the allowable variation from the guarantee. Figures alone indicate that the sample was below standard.

† after the figure indicates that the sample was up to standard but below guarantee.